Tinned Copper Self-closing Wrap

CR-BS-5004 · Braided Sleeving Series



Description

CR-BS-5004 is made of a mixture of tin-plated copper wire, polyester monofilament and tin-plated copper foil wire, which has the function of excellent shielding electromagnetic interference. The side opening structure is easy to install and maintain.

Product Features

- Working Temperature
- Excellent EMI Protection
- Flame Retardant
- Abrasion Resistance
- Easy to Install

Standard / Certification

ISO 9001 · IATF 16949 · ISO 14001 · ISO 45001 · GJB9001

Performance Parameter

Test Items	Test Method	Test Results
Shielding Effectiveness	GB/T 30142	> 60dB

Specifications

Part No.	Nominal I.D. (mm)	Applicable Range (mm)	Overlap	Reel Length (m/reel)	Art. No.
CR-BS-50040828	8	5~8	⩾ 30%	100	TEB-008
CR-BS-50041028	10	9~11	⩾ 30%	100	TEB-010
CR-BS-50041328	13	12~14	⩾ 30%	100	TEB-013
CR-BS-50041628	16	15~17	⩾ 30%	100	TEB-016
CR-BS-50041928	19	18~21	⩾ 30%	50	TEB-019
CR-BS-50042528	25	22~28	⩾ 30%	50	TEB-025
CR-BS-50043028	30	29~34	⩾ 30%	25	TEB-030
CR-BS-50043828	38	35~44	⩾ 30%	25	TEB-038
CR-BS-50045028	50	46~60	⩾ 30%	25	TEB-050

Notes

- All the above test parameter values are typical values. For specific product test reports, please consult your sales representative.
- It can be cut to a fixed length as required.
- Other sizes can be customized upon request.

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Product Advantages

- **Excellent EMI Shielding: > 60dB**
  Shielding effectiveness of > 60dB (30MHz~3GHz), tested to GB/T 30142, efficiently attenuates electromagnetic interference to keep sensitive electronics working properly.
- **Side-Open Self-closing Structure, Easy Installation & Maintenance**
  The self-closing side-open structure opens and closes without tools, making it easy to add, service and reuse on harnesses.
- **Abrasion-Resistant Braid**
  The braided construction of tin-plated copper wire and polyester monofilament is abrasion resistant, protecting against friction and impact to extend harness life.
- **Full Factory Certifications**
  Manufactured in a site certified to ISO 9001, IATF 16949, ISO 14001, ISO 45001 and military GJB9001C, ensuring reliable quality.
- **Wide Working Temperature Range: -50℃ ~ 150℃**
  Working temperature from -50℃ to 150℃ with excellent low-temperature performance, suiting demanding environments from extreme cold to high heat.
- **Flame Retardant & Reliable**
  The material is flame retardant, reducing the risk of fire caused by overheated harnesses and improving the safety of vehicles and equipment.
- **Full Size Range & Customization**
  Nine sizes from Φ8mm to Φ50mm with ⩾ 30% overlap cover bundles of 5~60mm; cut-to-length and custom sizes are available on request.

Application Scenarios

- **Automotive Harness Shielding (Core Application)**
  Provides EMI shielding attenuation for automotive (incl. new-energy vehicle) wire harnesses, protecting sensors, controllers and other signals from interference.
- **Rail Transit & High-Speed Rail**
  Used for EMI shielding of harnesses in high-speed rail, metro and light-rail vehicles, ensuring stable signal transmission and ride safety.
- **Aerospace Equipment**
  Suitable for EMI shielding of avionics harnesses, ensuring stable and reliable critical control and communication signals.
- **New Energy & Electronic Control Systems**
  Ideal for EMI protection of new-energy-vehicle high-voltage harnesses, battery management systems and vehicle ECU harnesses.
- **Industrial Automation & Communication Equipment**
  Provides EMI protection for harnesses in drives, servo systems and communication equipment, keeping control systems running stably.